

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014800

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F15B11/16 F15B11/22		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F15B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95/32364 A (MANNESMANN REXROTH GMBH; SCHMITT, MARTIN; WEICKERT, THOMAS) 30 November 1995 (1995-11-30) cited in the application the whole document	1-13
A	DE 195 31 497 A1 (BUCHER GMBH MASCHINENFABRIK, 79771 KLETTGAU, DE) 27 February 1997 (1997-02-27) cited in the application the whole document	1-13
A	WO 00/00747 A (MANNESMANN REXROTH AG; WEICKERT, THOMAS; ADLON, ERICH) 6 January 2000 (2000-01-06) page 6, paragraph 7 - page 16, paragraph 2 <div style="text-align: center;">-/-</div>	1-13
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>*G* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center;">25 April 2005</div>		Date of mailing of the international search report <div style="text-align: center;">29/04/2005</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center;">Staengl, G</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 460 000 A (KROPP ET AL) 24 October 1995 (1995-10-24) column 4, line 34 - column 8, line 16	1-13
A	DE 100 58 032 A1 (MANNESMANN REXROTH AG) 29 May 2002 (2002-05-29) column 3, line 45 - column 8, line 42	1-13
A	DE 93 18 522 U1 (O & K ORENSTEIN & KOPPEL AG, 13581 BERLIN, DE) 30 March 1995 (1995-03-30) page 5, paragraph 2 - page 9, paragraph 4	1-13
A	DE 22 60 457 A1 (WABCO WESTINGHOUSE GMBH, 3000 HANNOVERLINDEN; WABCO FAHRZEUGBREMSEN GM) 12 June 1974 (1974-06-12) page 3, paragraph 4 - page 6, paragraph 5	1-13
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Information on patent family members

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